

WHAT IS CLAIMED IS:

5 1. A management system that manages either of production in a factory and distribution in a warehouse, said management system comprising:

an input terminal that inputs an instruction and an actual condition with regard to at least one of storage and shipment of an article in a predetermined storehouse as occasion demands;

a memory device that stores information regarding the input instruction and actual condition therein; and

10 a large-scaled display that displays the instruction and the actual condition stored in said storage device, thereby showing the instruction and the actual condition to substantially anyone in the predetermined storehouse without delay,

15 wherein said large-scaled display is located at a specific position which allows workers to simultaneously recognize the display and the article on the worker's flow line in the predetermined storehouse.

20 2. A management system in accordance with claim 1, wherein the predetermined storehouse has a plurality of storage lanes of the article according to destinations of the shipment, and

the instruction and the actual condition is displayed corresponding to each of the plurality of storage lanes.

25 3. A management system in accordance with claim 2, wherein the large-scaled display shows at least an instruction with regard to a type of the article to be stored and an instruction and an actual condition with regard to a numerical quantity of the each type of article to be stored.

30 4. A management system in accordance with claim 2, wherein the large-scaled display shows at least an instruction with regard to a

destination of the article to be shipped, an instruction with regard to a numerical quantity of the article to be shipped, and an actual condition with regard to a numerical quantity of the article that has already been shipped.

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5. A management system in accordance with claim 1, wherein the large-scaled display shows at least an instruction and an actual condition with regard to the storage, and

the large-scaled display is located at a predetermined position to be recognized from at least either one of a preprocess area, where a predetermined required preprocess is performed prior to storage of the article in the predetermined storehouse, and an entrance to the predetermined storehouse.

6. A management system that manages production in a factory, wherein the factory includes a first section that manufactures products and a second section that supplies either of parts and materials used for the manufacture of the products,

said management system comprising:

a first input terminal that inputs requirement for either of the parts and the materials in the first section as occasion demands;

a second input terminal that inputs delivery status with regard to the required parts or materials;

a memory device that stores the requirement and the delivery status therein; and

a large-scaled display that shows the requirement and the delivery status stored in said memory device in at least one of the first section and the second section, thereby showing the requirement and the delivery status to substantially anyone in at least one of the first section and the second section without delay.

7. A management system in accordance with claim 6, wherein at least one of the first section and the second section is a section having difficulty in direct observation, where one of the section has difficulty for
5 direct observation of a working status of the other section of the first section and the second section due to the location of those sections, and

said large-scaled display is located in the section having difficulty in direct observation.

10 8. A management system in accordance with claim 6, wherein the first section has a plurality of production lines for manufacturing products, and

said large-scaled display displays the requirement and the delivery status corresponding to each of the plurality of production lines.

15 9. A management system that manages production in a factory, said management system comprising:

an upstream process input terminal that inputs an actual condition of a specific upstream process in a production flow in the factory
20 as occasion demands;

a shipment input terminal that inputs a shipping status of products as occasion demands;

a memory device that stores the input actual condition of the specific upstream process and the input shipping status; and

25 a large-scaled display that simultaneously shows the actual condition of the specific upstream process and the shipping status stored in said memory device in a management section that manages the production flow, thereby showing the actual condition to substantially anyone in the management section without delay.

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10. A management system in accordance with claim 9, wherein the specific upstream process is a supply process of either of materials and parts from outside.

5 11. A management system in accordance with claim 9, said management system further comprising another large-scaled display that shows the actual condition of the specific upstream process stored in said memory device and is located in a predetermined section corresponding to the specific upstream process, thereby showing the actual condition to
10 substantially anyone in the predetermined section without delay.

12. A management system in accordance with claim 9, said management system further comprising another large-scaled display that displays the shipping status stored in said memory device and is located in
15 a predetermined section corresponding to the shipment, thereby showing the shipping status to substantially anyone in the predetermined section without delay.

13. A management system in accordance with claim 9, wherein
20 said memory device is a server that provides a client connecting with the Internet with the information stored therein via the Internet, in response to a requirement from the client.

25 14. A management system that manages production in a factory, wherein at least three areas including a product storage area where products are stored, an assembly area where the products are assembled, and a supply storage area where either of materials and parts to be supplied to the assembly area is stored, are arranged in the factory not to allow any one of the three areas to directly observe actual conditions of the
30 others, and

each of the three areas has an input terminal that inputs a working status of the area and a large-scaled display that displays the working status in response to the input,

said management system further comprising:

5 a network that transmits information regarding the working status of one of the three areas to another specific area that is present in the factory; and

a large-scaled display that displays the transmitted information in the specific area.

10 15. A management system in accordance with claim 14, wherein the specific area is a management section that manages a production flow in the factory.

15 16. A management system in accordance with claim 14, wherein the information transmitted via the network regards a working status of at least one of residual two areas other than the supply storage area, and

the specific area is an upstream process area corresponding to an upstream process, which is prior to a process performed in the area where
20 the transmitted information is input.

17. A management system in accordance with claim 14, wherein information regarding a working status of one of the three areas is transmitted to at least one of residual two areas via the network, and

25 said large-scaled display located in the area that receives the transmitted information shows the transmitted information simultaneously with the information of the area.

30 18. A management system in accordance with claim 1, wherein the large-scaled display is a projector-type liquid crystal display.

19. A method of managing either of production in a factory and distribution in a warehouse, said managing method comprising the steps of:

causing a storage-relating instruction and an actual condition of storage to be displayed on a large-scaled display that is located at a specific position on a worker's flow line in a predetermined storehouse of an article, which allows the display and the article to be recognized simultaneously; and

updating the display without delay in response to input of the storage-relating instruction and the actual condition of storage from an input terminal.

20. A method of managing production in a factory, said managing method comprising the steps of:

causing requirement regarding requirement for either of parts and materials used for manufacture of products and delivery status to be displayed on a large-scaled display; and

updating the display without delay in response to input of the requirement from an input terminal located in a production section and input of the delivery status from an input terminal located in a supply section that is in charge of supplying either of the parts and the materials.

21. A method of managing production in a factory, said managing method comprising the steps of:

causing an actual condition of a specific upstream process in a production flow and a shipping status of products to be displayed on a large-scaled display that is located in a management section that manages the production flow in the factory; and

updating the display without delay in response to input of the

actual condition of the specific upstream process from an input terminal located in a section corresponding to the specific upstream process and input of the shipping status from an input terminal located in a storehouse of the products.

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22. A method of managing production in a factory, wherein at least three areas including a product storage area where products are stored, an assembly area where the products are assembled, and a supply storage area where either of materials and parts to be supplied to the assembly area is stored, are arranged in the factory not to allow any one of the three areas to directly observe actual conditions of the others,

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said managing method comprising the steps of:

(a) causing a working status of each of the three areas to be displayed on a large-scaled display located in the area, while updating the display as occasion demands; and

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(b) causing the working status of at least one of the three areas to be displayed on a large-scaled display located in another area that is present in the factory, while updating the display as occasion demands.